



931's robot, without its outer skin, signage, etc., is seen here placing a tube on the lower tier autonomously. The elevator comprises three 2-rail sections of 1010 extrusion actuated by a continuous loop of 3/32 steel cable which is driven by a 4 inch winch. The winch is powered by a mini-bike CIM motor.

Kit chassis with 6WD, kit AndyMark wheels in the center and AndyMark aluminum omniwheels at each corner. Track is 21.5 inch. Wheelbase is 30 inch, split 16/14 with shorter base on the front end. Two CIMs driving 12:1 BaneBots 56mm transmissions. 15:24 ratio from transmission shafts to wheels.

Currently, the robot is 4-foot height class and weighs 110 lb.